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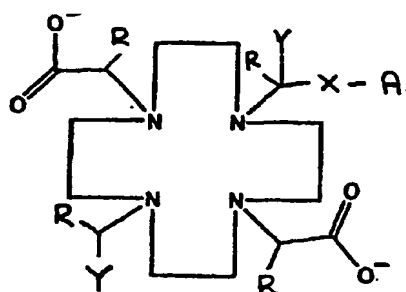
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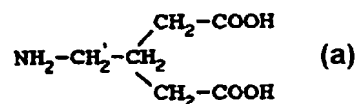
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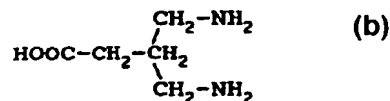
(54) Title: PROCHELATORS OF RADIOMETAL LABELED MOLECULES



(I)



or of the formula



(57) **Abstract:** Chelating compounds for labeling bioactive molecules with a radiometal, having general formula (I) in which: both Y groups may be positioned either trans as shown or cis; A is an effector molecule, such as a peptide, in particular octreotide, CCK, substance P, gastrin, a protein, in particular an antibody or enzyme, sugars or radiosensitizing agents, like doxorubicin; R is a hydrogen, a C<sub>1</sub>-C<sub>3</sub> alkyl or an alcohol; X is a spacer, in particular (CH<sub>2</sub>)<sub>n</sub>-X', in which n is 1-10 and X' is COOH, NH<sub>2</sub>, SH, OH or O-halogen, in which halogen is in particular Br, I or Cl, or a molecule of the formula (a) or of the formula (b), Y is COO-, CH<sub>2</sub>CONH<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>OH, optionally complexed with a radiometal.